

**Amendment to the Specification:**

Please replace the paragraph that begins on page 6, line 32 with the following amended paragraph:

Figure 2 shows the coil 1 of Figure 1 when looking in the z-direction. Coil 1 has a substantially plane surface 7 as the upper surface of the patients bed. The patient 3 in the cavity 2 is shown in a highly simplified way as an oval body, as the shape of a human body within the xy-plane can be approximated in this way. The electrically conducting material 4 is attached to the inner wall 5 of coil 1, as well as below the bottom 6 the patients bed.

Please replace the paragraph that begins on page 7, line 11 with the following amended paragraph:

Figure 3 shows an MRI apparatus 10 in accordance with the invention being equipped with a coil 1. The apparatus 10 has a bed with a surface 7 on which the patient 3 lies. The figure shows an application in which only the head of the patient is examined, for example to enable the diagnosis of a tumor in the patients head.

On page 7, after the last paragraph, please insert the following new paragraph:

The invention has been described with reference to the preferred embodiments. Modifications and alterations may occur to others upon reading and understanding the preceding detailed description. It is intended that the invention be constructed as including all such modifications and alterations insofar as they come within the scope of the appended claims or the equivalents thereof.